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WHAT IS CLAIMED IS:

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1. A system for providing caller name identification (CNAM) service comprising:
 - a signaling transfer point (STP) to receive a CNAM query from a switch, wherein the CNAM query contains a calling party telephone number;
 - a local number portability signal control point (LNP SCP) to receive the CNAM query from the STP;
 - a CNAM SCP to return CNAM information to the switch coupled to a CNAM SCP database that contains a plurality of CNAM records, each CNAM record, comprising:
 - a telephone number; and
 - a directory name corresponding to the telephone number; and
 - an LNP SCP database coupled to the CNAM SCP that contains a plurality of global translation title (GTT) records, each GTT record, comprising:
 - a telephone number; and
 - a service routing corresponding a network element that provides the CNAM service.
 2. The system recited in claim 1, wherein the STP causes every CNAM query to be routed to the CNAM SCP owned by a first telephone company for processing, and wherein the CNAM information includes the calling party telephone number and a directory name corresponding to the calling party telephone number.
 3. The system recited in claim 1, wherein the CNAM SCP causes the CNAM query to be routed to another telephone company for processing, and wherein the

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CNAM information includes the calling party telephone number and a directory name corresponding to the calling party telephone number.

4. The system recited in claim 1, wherein the CNAM information includes city and state information.

5. A method for providing caller name identification (CNAM) service comprising the steps of:

receiving a CNAM query from a switch, wherein the CNAM query contains a calling party telephone number;

accessing a local LNP database containing a plurality of LNP routing records to obtain routing information for processing the CNAM query; and

routing the CNAM query in accordance with the routing information for processing to obtain CNAM information in response to the CNAM query.

6. The method recited in claim 5, wherein the CNAM information comprises the calling party telephone number and a directory name corresponding to the calling party number.

7. The method recited in claim 5, wherein the CNAM information comprises city and state information on the caller ID display device.

8. The method recited in claim 5, further comprising the step of determining whether the CNAM query is to be processed by another telephone company, and if not, accessing a CNAM database using the calling party name as an index to obtain a directory name corresponding to the calling party telephone number.

9. A system for providing caller name identification (CNAM) service comprising:

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a signaling transfer point (STP) to receive a CNAM query from a switch,
wherein the CNAM query contains a calling party telephone number;

a CNAM service control point (CNAM SCP) to receive the CNAM query from
the STP and return CNAM information to the switch;

a CNAM LNP database that contains a plurality of LNP routing records,
each LNP routing record, comprising:

a telephone number; and

a service routing corresponding a network element that provides the
CNAM service.

10. The system recited in claim 9, further comprising:

a CNAM database coupled to the CNAM SCP that contains a plurality of
CNAM records, each CNAM record, comprising:

a telephone number; and

a directory name corresponding to the telephone number,

wherein the CNAM information comprises the calling party telephone
number and a directory name corresponding to the calling party telephone number.

11. The system recited in claim 9, wherein the CNAM SCP causes the CNAM
query to be routed to another telephone company for processing, and wherein the
CNAM information comprises the calling party telephone number and a directory
name corresponding to the calling party telephone number.

12. The system recited in claim 9, wherein the CNAM information includes city
and state information.

13. The system recited in claim 9, further comprising a CNAM caller ID display device on which the CNAM information is displayed.

14. A method for providing caller name identification (CNAM) service comprising the steps of:

receiving a CNAM query from a switch, wherein the CNAM query contains a calling party telephone number;

accessing a CNAM LNP database coupled to a CNAM SCP, containing a plurality of LNP routing records to obtain routing information for processing the CNAM query; and

routing the CNAM query in accordance with the routing information.

15. The method recited in claim 14, further comprising the step of displaying the calling party telephone number and a directory name corresponding to the calling party number on a caller ID display device.

16. The method recited in claim 14, further comprising the step of displaying city and state information on a caller ID display device.

17. The method recited in claim 14, further comprising the step of determining whether the CNAM query is to be processed by another telephone company, and if not, accessing the CNAM database using the calling party name as an index to obtain a directory name corresponding to the calling party telephone number.

18. A system for providing a telephone service, comprising:

a signaling transfer point for receiving a service request requesting the telephone service to be provided;

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an SCP for receiving the service request from the signaling transfer point;
a database coupled to the SCP for providing routing information based on
identification information in the service request; and
means for routing the service request in accordance with the routing
information.

19. The system recited in claim 18, wherein the SCP sends the query across a
telephone network to another telephone company for processing.

20. The system recited in claim 18, wherein the telephone service is a calling
name identification service, and wherein the SCP is an CNAM SCP and the
database is an LNP database containing a plurality of global translation table
records, further comprising a CNAM database containing at least one record having
a telephone number and a directory name corresponding to the telephone number.

21. The system recited in claim 18, further comprising:

a first switch through which a calling party places a telephone call to a called
party; and

a second switch on which the called party's telephone number is homed that
receives the telephone call and initiates the service request to the signaling transfer
point for processing.

22. A method for providing CNAM service, comprising the steps of:

receiving a CNAM service request;

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obtaining routing information to route the CNAM service request to the network element responsible for providing the CNAM service from an LNP database coupled to a CNAM SCP;

routing the CNAM service request to the network element to obtain CNAM information; and

sending the CNAM information to a caller ID display device to be displayed.

23. The method recited in claim 22, further comprising the steps of:

obtaining an LNP routing record corresponding to a telephone number carried in the CNAM service request; and

using the telephone number in the CNAM service request as an index into the LNP database to obtain the routing information.

24. The method recited in claim 22, wherein the CNAM information includes city and state information.

25. The method recited in claim 22, wherein the CNAM information includes calling party directory name and telephone number.

26. The method recited in claim 22, wherein said obtaining step, comprises the steps of:

determining a case of CNAM service to apply;

for CNAM service of a first or second case:

performing a database query of a CNAM database to obtain directory name information corresponding to a telephone number in the CNAM service request;

for CNAM service of a third case:

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routing the CNAM service request to an appropriate network elements for processing; and

returning city and state information in response to the CNAM service request if the CNAM service is not of the first, second or third case.

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